STACKED	-PLATE HEAT EXCHANGER	
Inventor:	Dieter C. Steeb, Im Schönenbühl, CH-9050 Steinegg-Appenzell, Switzerland	
Appl. No.:	347,068	
Filed:	Feb. 8, 1982	
[30] Foreign Application Priority Data		
Feb. 25, 1981 [DE] Fed. Rep. of Germany 3107010		
Int. Cl. ³ U.S. Cl		
Field of Sea	arch 165/167, 166, 165, 170, 165/183, 185, 149, 152, 153, DIG. 9	
	References Cited	
U.S. PATENT DOCUMENTS		
1,404,721 1/ 3,205,563 9/ 3,650,005 3/	1972 Kamiya et al 165/170 X	
	Inventor: Appl. No.: Filed: Foreig 5. 25, 1981 [E] Int. Cl. ³ U.S. Cl Field of Sea U.S. 1 902,812 11/ 1,404,721 1/ 3,205,563 9/	

4,083,400 4/1978 Dziedzic et al. 165/165

4,150,719 4/1979 Thielen et al. 165/166 X

FOREIGN PATENT DOCUMENTS

2332047	1/1975	Fed. Rep. of Germany 165/166
		Fed. Rep. of Germany.
7835175	2/1979	Fed. Rep. of Germany .
3011011	9/1980	Fed. Rep. of Germany 165/166
2093583	9/1982	United Kingdom 165/166

Primary Examiner—Sheldon J. Richter Attorney, Agent, or Firm—Hopgood, Calimafde, Kalil, Blaustein & Judlowe

57] ABSTRACT

A heat exchanger comprises a stack of spaced plates such that elongate plane-parallel fluid-conduit systems are established between adjacent pairs of plates, the plane-parallel conduit systems being in two sets, with the conduit system of one set being interposed between two conduit systems of the other set. Between adjacent plates, a conduit system is closed along its two laterally opposite edges, by rail-like spacers between the involved adjacent plates. The conduit system of at least one set comprises corrugated structures taking the form of extruded sections and having ridges which are connected to the lateral-edge closures of the involved conduit system.

7 Claims, 2 Drawing Figures

